

Serial No.: 10/596,118

Filing Date: 5/31/2006

Attorney Docket No. 515.040US01

Title: TEST APPARATUS FOR CONTROL UNIT, PATTERN SIGNAL CREATING APPARATUS, AND TEST PROGRAM GENERATING APPARATUS

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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of claims:**

1.-9. (Canceled)

10. (Currently amended) A test apparatus for a control unit, comprising:

testing means for testing the operation of said control unit based on a relationship between a pattern signal input to said control unit and an output signal output in response to said pattern signal from a target being controlled by said control unit;

means for causing said testing means during execution of a first pattern signal to switch to the execution of a second pattern signal when a first pattern signal transition condition for making a transition to the execution of said second pattern signal holds as a result of the execution of the first pattern signal; and

means for causing said testing means during execution of said first pattern signal to switch to the execution of a third pattern signal when a second pattern signal transition condition for making a transition to the execution of said third pattern signal holds as a result of the execution of the first pattern signal.

11.-19. (Canceled)

20. (Previously Presented) A test method for testing the operation of a control unit based on a relationship between a pattern signal input to said control unit and an output signal output in response to said pattern signal from a target being controlled by said control unit, said method comprising;

a step for executing a first pattern signal;

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a step for switching, during execution of said first pattern signal, to the execution of a second pattern signal when a first pattern signal transition condition for making a transition to the execution of said second pattern signal holds as a result of the execution of the first pattern signal; and

a step for switching, during execution of said first pattern signal, to the execution of a third pattern signal when a second pattern signal transition condition for making a transition to the execution of said third pattern signal holds as a result of the execution of the first pattern signal.